

## REMARKS/ARGUMENTS

Claims 1-42 were previously pending in the application. Claims 2-4 and 25-27 are canceled; claims 1, 5-12, 15, 17-21, 24, 28-31, 34, 37-38, and 41-42 are amended; and new claims 43-46 are added herein. Assuming the entry of this amendment, claims 1, 5-24, and 28-46 are now pending in the application. The Applicant hereby requests further examination and reconsideration of the application in view of the foregoing amendments and these remarks.

The specification has been amended to correct a number of inadvertent errors. Support for the amendment to page 17, line 2, is found, for example, on page 17, lines 21-24. Support for the amendment to page 19, line 2, is found, for example, on page 18, line 25.

In paragraph 1 of the office action, the Examiner objected to the drawings because formal drawings are required. Accompanying this amendment is a Transmittal of Corrected Drawing(s) amending Figs. 6, 7, 9, and 10. Support for these amendments is as follows:

- o Fig. 6 (re: combiner 602): Page 17, lines 21-24
- o Fig. 6 (switch 603): Page 17, lines 4-7
- o Fig. 7 (re: combiner 703): Page 20, lines 15-16
- o Fig. 9 (re: DT[n]): Page 21, lines 1-3
- o Fig. 10 (re: Re & Im inputs): Page 21, lines 16-17

The Applicant requests the Examiner's approval of these drawing amendments before proceeding to file the formal drawings.

In paragraph 2, the Examiner objected to claims 1-40 for certain informalities. In response, the Applicant has amended claims 1 and 24 as suggested by the Examiner.

Amendments have been made to claims 1, 6, 9-12, 15, 17-21, 24, 28-31, 34, 37-38, and 41-42 for proper grammar, clarity, conformity with the specification and other claims, and/or to avoid interpretation under 35 U.S.C. 112, paragraph six. None of these amendments have been made to overcome any prior art rejections.

In paragraph 4, the Examiner rejected claims 1-3, 10, 18, 24-26, 28, and 42 under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art in view of Filho. In paragraph 5, the Examiner rejected claims 15-17, 19-23, and 32-40 under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art in view of Filho, and further in view of Nobakht. In paragraph 6, the Examiner rejected claim 41 under 35 U.S.C. 103(a) as being unpatentable over the admitted prior art in view of Filho, and further in view of Langberg. In paragraph 7, the Examiner objected to claims 4-9, 11-14, 27, and 29-31 as being dependent upon a rejected base claim, but indicated that those claims would be allowable if rewritten in independent form. For the following reasons, the Applicant submits that all of the now-pending claims are allowable over the cited references.

Claim 1 has been amended to include the features of previously pending claims 2-4. As such, currently amended claim 1 is equivalent to previously pending claim 4 rewritten in independent form. Since the Examiner stated that previously pending claim 4 would be allowable if rewritten in independent form, the Applicant submits that currently amended claim 1 is allowable.

Claim 24 has been amended to include the features of previously pending claims 25-27. As such, currently amended claim 24 is equivalent to previously pending claim 27 rewritten in independent form.

Since the Examiner stated that previously pending claim 27 would be allowable if rewritten in independent form, the Applicant submits that currently amended claim 24 is allowable.


Claims 41 and 42 have been amended in a similar manner as claim 1. For the same reasons that currently amended claim 1 is allowable, the Applicant submits that currently amended claims 41 and 42 are also allowable.

New claim 43 is equivalent to previously pending claim 11 rewritten in independent form. Since the Examiner stated that previously pending claim 11 would be allowable if rewritten in independent form, the Applicant submits that new claim 43 is allowable. For similar reasons, the Applicant submits that new claim 45 is allowable. Since claims 44 and 46 depend from claims 43 and 45, it is further submitted that those claims are also allowable.

In view of the above amendments and remarks, the Applicant believes that the now-pending claims are in condition for allowance. Therefore, the Applicant believes that the entire application is now in condition for allowance, and early and favorable action is respectfully solicited.

Respectfully submitted,

Date: 6/8/05  
Customer No. 22186  
Mendelsohn & Associates, P.C.  
1500 John F. Kennedy Blvd., Suite 405  
Philadelphia, Pennsylvania 19102

  
Steve Mendelsohn  
Registration No. 35,951  
Attorney for Applicant  
(215) 557-6657 (phone)  
(215) 557-8477 (fax)

ANNOTATED MARKED-UP DRAWINGS

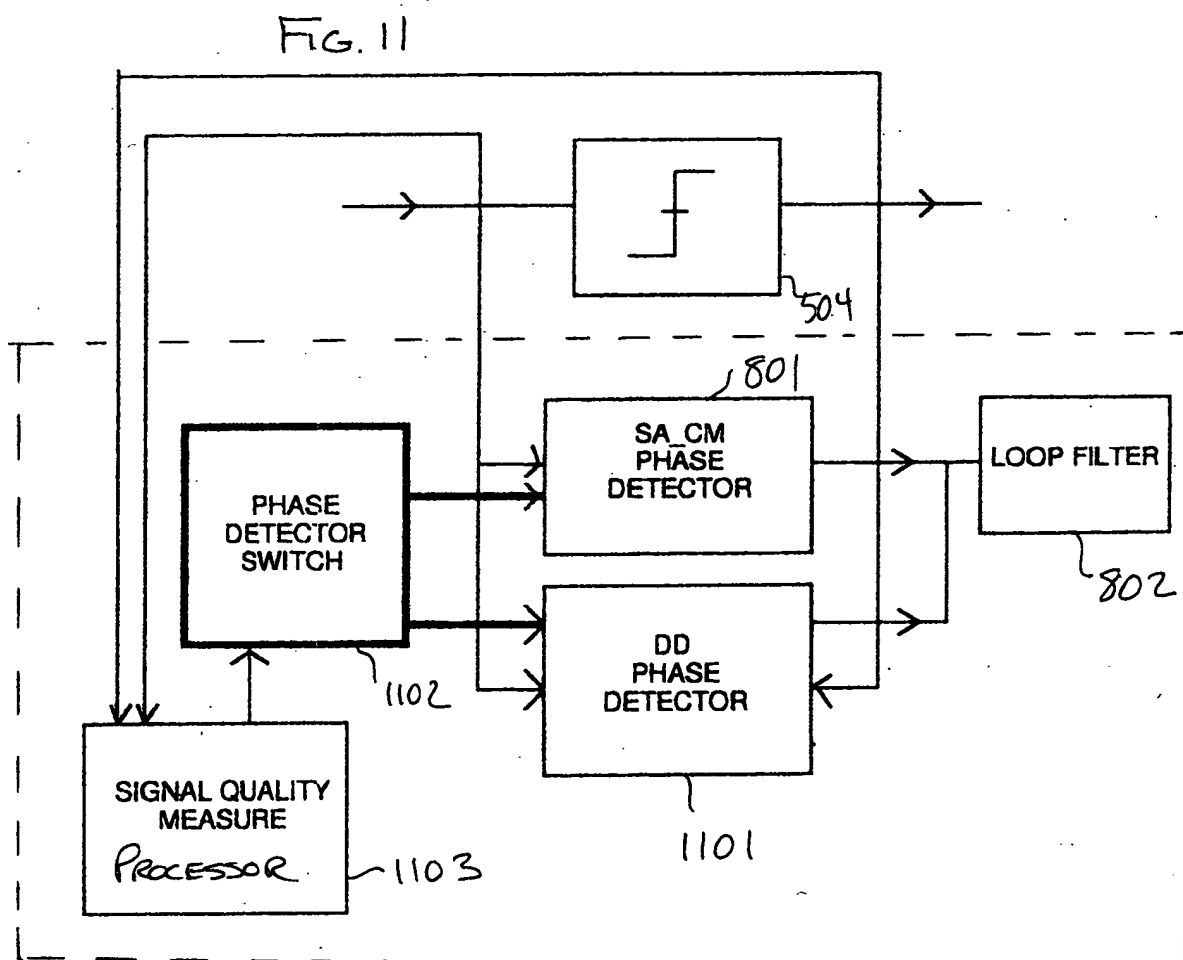
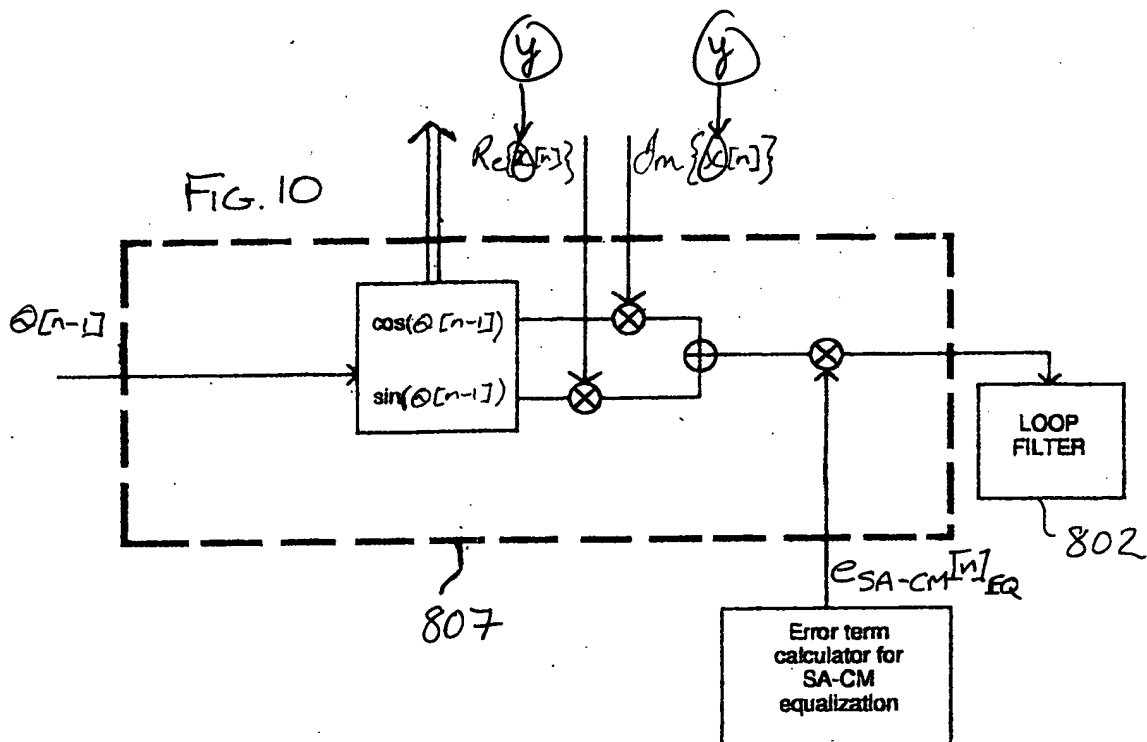


FIG. 8

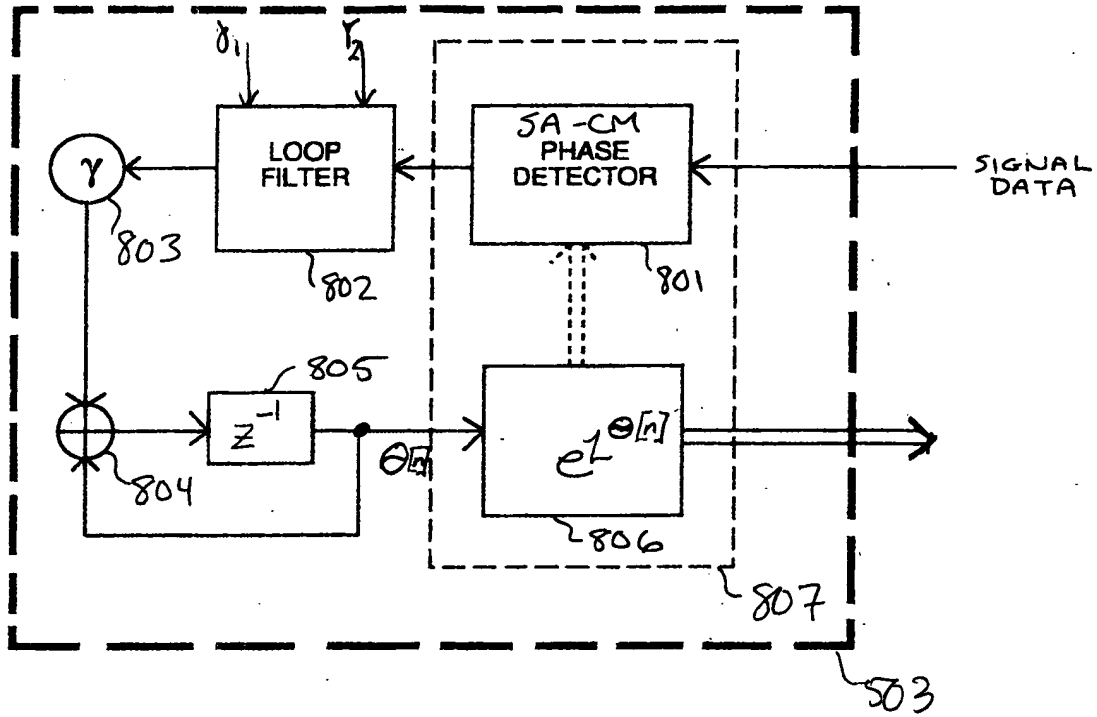
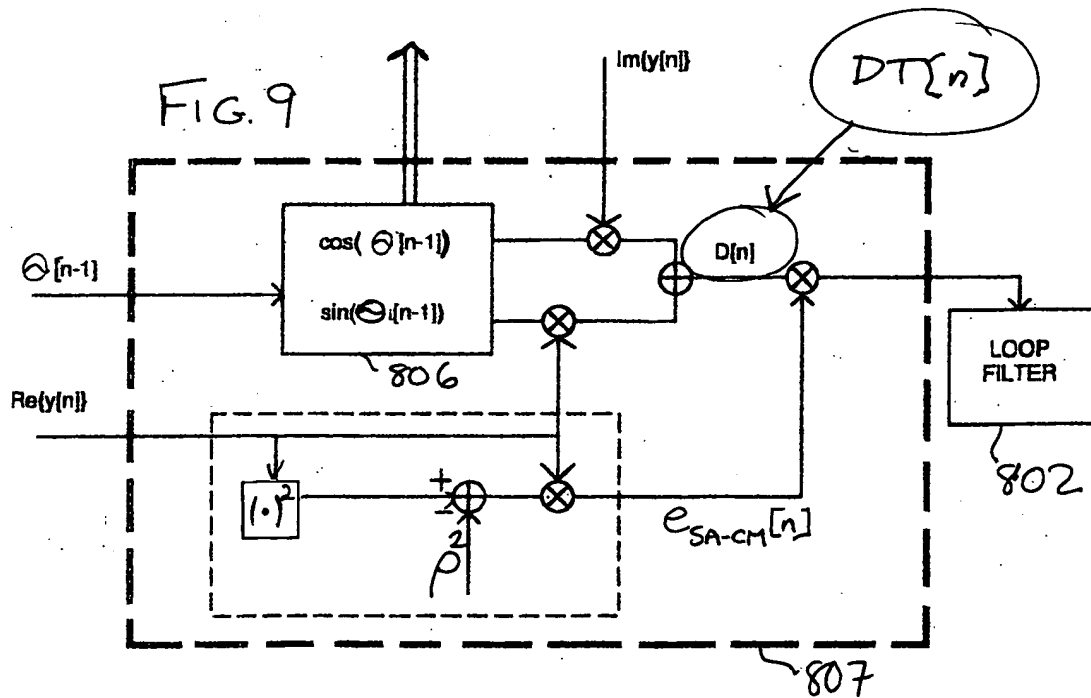


FIG. 9



# ANNOTATED MARKED-UP DRAWING

FIG. 6

502a

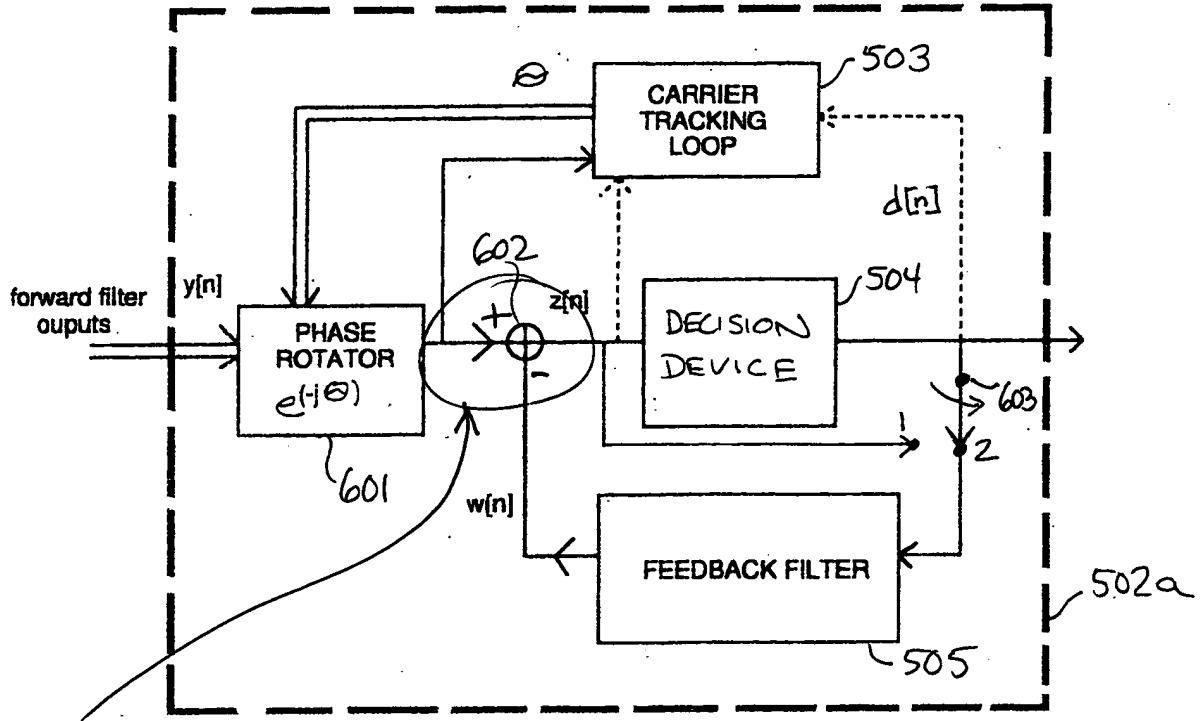


FIG. 7

502b

